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**To:** Dr. Cathy Ellis **Date:** October 1, 1990  
**From:** R. W. Dwyer  
**Subject:** Abstract of the Project Tomorrow presentation at the September Planning Conference

On August 10, 1990 The Fire Safe Cigarette Act of 1990 was signed into law. This law empowers the Consumer Product Safety Commission to direct the National Institute of Standards and Technology's Center for Fire Research to complete research on cigarette fire safety. Specifically, it calls for CFR to develop a standard method to determine cigarette ignition propensity; compile performance data for cigarettes using this standard method; and, to conduct laboratory studies on and computer modeling of ignition physics.

The goal of Project Tomorrow is to evaluate the feasibility of our developing a cigarette ignition-propensity test and to evaluate the technical and commercial feasibility of producing cigarettes with reduced ignition propensities with respect to such a test.

This goal is being pursued through four main strategies:

1. ignition test development and relating cigarette design parameters to such tests
2. developing computer models of smouldering cigarettes on substrates
3. evaluating the technical and commercial feasibility of producing cigarettes at a mass burn rate of 40 mg/min
4. exploring wrapper and filler technologies for increasing cigarette fire safety

cc: Central Files

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